

Abstract

A casting nozzle for supplying a molten alloy liquid of aluminum alloy or magnesium alloy to a movable mold for continuous casting from a tundish, in which the molten alloy liquid is stored. The casting nozzle is fixed to the tundish. The casting nozzle tip arranged on the movable mold side is made of a highly heat-conductive material having a heat conductivity of 0.2 W/mK or more, and a highly elastic material having an elastic modulus of 5000 MPa or more, etc. By making the tip of the casting nozzle with a material having superior thermal conductivity, the irregularity in solidification of the molten alloy liquid is decreased and thereby the surface quality of a cast alloy is improved. The nozzle tip is formed with a material having high elasticity and superior elastic deformability, whereby the interstices between the movable mold and the tip of outer peripheral edge of the nozzle is narrowed, and accordingly a cast alloy having superior surface quality can be obtained.